



CALIFORNIA

Agricultural Bulletin

EDD Employment
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State of California

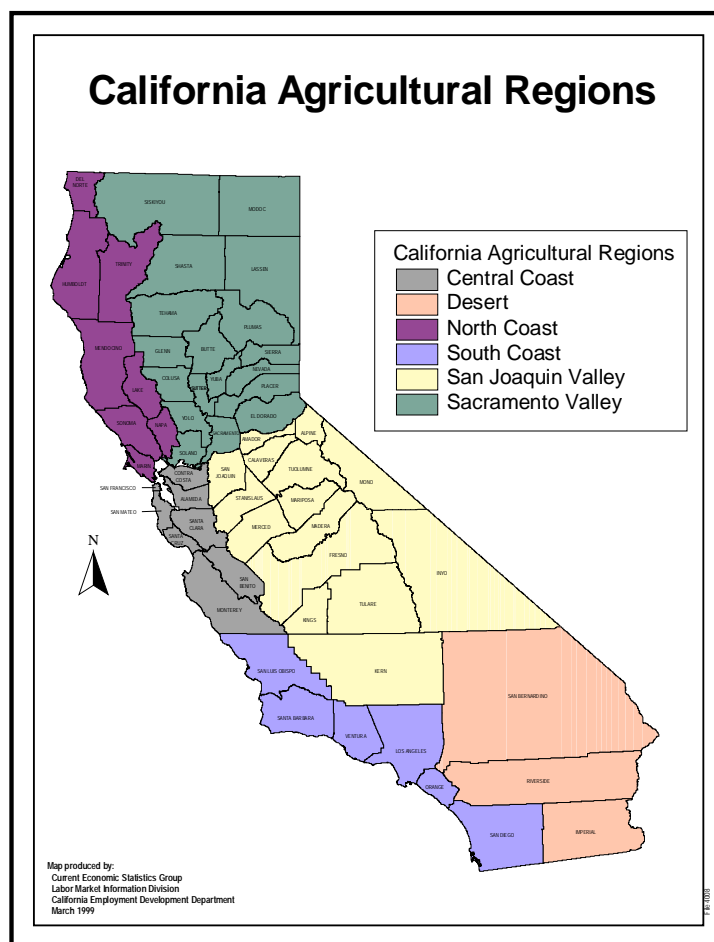
August 2000
(Internet Version)

Agricultural Overview

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This bulletin covers 27 agricultural industries in the State of California. The number of industries ranges from five to seventeen within each of the six geographic regions. The regions are the San Joaquin Valley, South Coast, Desert, Central Coast, Sacramento Valley, and North Coast (refer to map for details).



The data are organized into the following tables by state and region:

- Wage and Salary Workers
- Average Hourly Earnings

LMID
Labor Market Information Division
"Your Information Source"

Introduction

The California Agricultural Bulletin is produced by the Employment Development Department (EDD) in cooperation with the U.S. Department of Agriculture and through a grant from the U.S. Department of Labor. Because of changes in sampling and estimating procedures, farm employment data published by EDD prior to January 1997 may not be strictly comparable to current estimates.

Summary

Employment

Agricultural employment in California for August 2000 increased 16,900 jobs over the previous month, a gain of four percent. Total Agricultural Production increased 11,100 from July 2000 to August 2000 for a gain of five percent. Agricultural Services registered an increase of 5,800 jobs, a gain of three percent. Agricultural employment normally shows an increase from July to August. The change in California agricultural employment from July 1999 to August 1999 was an increase of 1,900 jobs. Cooler temperatures in early summer 1999 slowed the development of the tomato crop and delayed the harvest. The cooler than normal weather also reduced the amount of irrigation needed in the fields.

Grapes registered the largest change in the number of jobs with an increase of 10,800 for the month of July 2000. Deciduous Tree Fruit, also, registered a significant increase with a gain of 8,800 jobs. Ornamental Floral and Nursery registered the largest decrease for July 2000 with a decline of 8,800 workers. Total agricultural employment increased in the Central Coast, South Coast, San Joaquin Valley, and Sacramento Valley regions while decreases were registered in the Desert and North Coast regions.

Production and Crop Activity

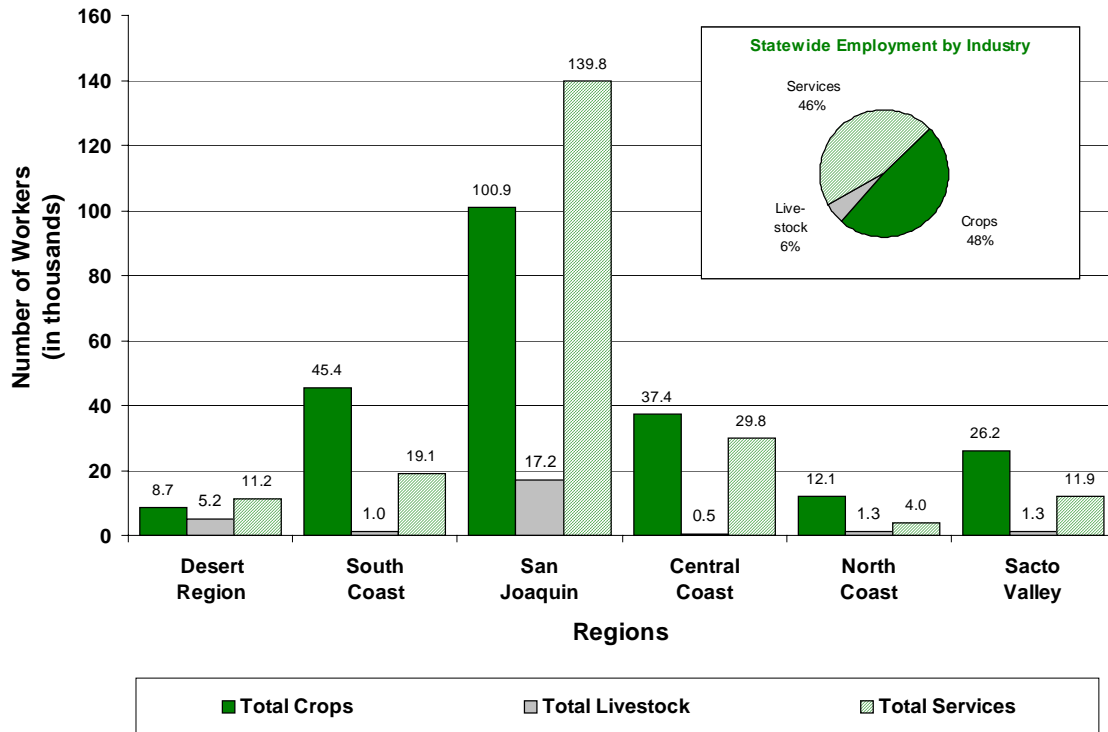
Farmers continued irrigating, cultivating, and weeding of fields. Small grains were combined, the straw baled, and the fields were prepared for double cropping. Barley, oats, and alfalfa was cut, dried, baled, or chopped for silage. Some fields were sprayed for armyworms and lygus. Rice growers, also, were treating for a heavy infestation of armyworms. Corn for silage was planted while older fields were being harvested. Tomato and bell pepper planting continued as the harvest of older crops progressed. Strawberry picking was active on the central coast while cantaloupe, honeydew, and crenshaw melons were harvested in the Central Valley. Vegetables harvested during the month included basil, beans, bok choy, carrots, cilantro, cucumbers, eggplant, garlic, kabocha, mustard and collard greens, lemon grass, mint, okra, onions, parsley, peas, peppers, radishes, spinach, squash, sweet corn, and zucchini.

Weed control and fungicide applications continued in vineyards and orchards. Growers treated vineyards for mildew and leafhoppers. Walnuts were treated for blight and codling moth while almonds were treated for mites and navel orangeworm. The harvesting of table grapes and the picking of grapefruit were active in the San Joaquin Valley. Also picked were apricots, peaches, nectarines, and plums. Lemons were harvested in southern California and Bartlett pears were picked in the Sacramento delta region. Valencia oranges were harvested in southern California and the San Joaquin Valley.

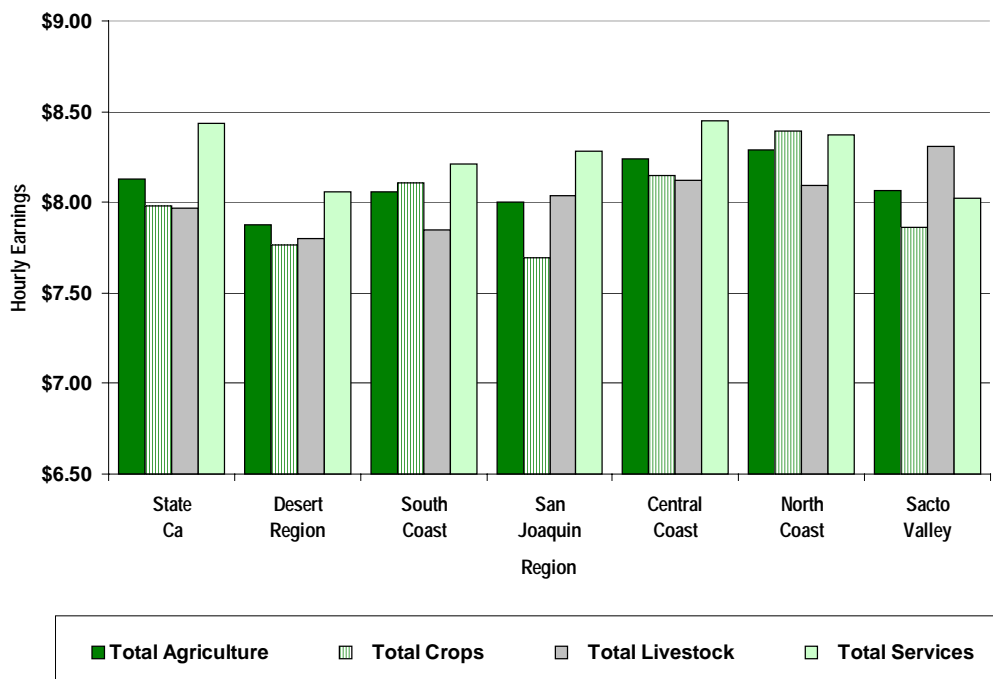
Cattle, which remained on dry foothill pastures, were given supplemental feed. Beekeepers were involved in pollinating alfalfa, melon, and vine seed fields.

Agricultural Summary Charts

Wage and Salary Workers



Average Hourly Earnings



CALIFORNIA AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Aug 2000	Jul 2000	Aug 1999
Total Agriculture	473.0	456.1	480.5
Total Agricultural Production/Crops	230.7	219.4	234.0
Cash Grains	2.2	3.3	2.7
Rice	1.5	1.6	1.5
Other Cash Grains	0.7	1.7	1.2
Field Crops Except Grains	17.2	20.9	13.4
Cotton	5.7	8.8	7.1
Other Field Crops	11.5	12.1	6.3
Vegetables and Melons	46.2	43.5	38.8
Total Fruits and Tree Nuts	104.3	90.1	111.1
Berries	17.0	15.1	17.4
Grapes	42.9	32.1	45.5
Tree Nuts	3.6	5.2	9.0
Citrus Fruits	3.1	4.3	4.7
Deciduous Tree Fruit	23.7	14.9	24.3
Other Fruits & Nuts	14.0	18.5	10.2
Total Horticultural Specialties	32.6	38.8	36.7
Ornamental Floral & Nursery	28.6	37.4	33.1
Food Crops Grown Under Cover	4.0	1.4	3.6
General Farm Primarily Crop	28.2	22.8	31.3
Agricultural Production/Livestock	26.5	26.7	28.7
Beef Cattle Feed Lots	2.0	0.8	1.3
Beef Cattle Except Feed Lots	3.2	2.3	3.5
Dairy Farms	13.5	13.3	15.9
Chicken Eggs	2.2	2.0	2.4
Turkey & Turkey Eggs	0.5	0.6	0.9
Other Livestock	5.1	7.7	4.7
Total Agricultural Services	215.8	210.0	217.8
Soil Preparation Services	0.5	1.8	1.4
Crop Services	47.8	44.2	56.1
Plant Cultivate & Protection	4.3	3.7	7.0
Harvest Primarily by Machine	7.0	4.4	8.6
Preparation Services for Market	36.2	35.7	39.9
Cotton Ginning	0.3	0.4	0.6
Total Farm Labor & Management	167.5	164.0	160.3
Farm Labor Contractors	151.7	150.3	149.3
Farm Management Services	15.8	13.7	11.0

Average Hourly Earnings (In dollars per hour)

Industry	Aug 2000	Jul 2000	Aug 1999
Total Agriculture	8.13	8.07	8.01
Total Agricultural Production/Crops	7.98	7.98	7.82
Cash Grains	8.03	8.18	7.88
Rice	8.30	8.23	7.47
Other Cash Grains	7.77	8.13	8.29
Field Crops Except Grains	7.98	7.72	7.82
Cotton	8.00	7.51	7.23
Other Field Crops	7.97	7.92	8.41
Vegetables and Melons	7.94	7.99	8.14
Total Fruits and Tree Nuts	7.95	7.95	7.80
Berries	8.21	8.36	7.63
Grapes	7.89	7.84	7.61
Tree Nuts	8.00	7.97	7.63
Citrus Fruits	7.70	7.76	8.02
Deciduous Tree Fruit	7.74	7.71	7.81
Other Fruits & Nuts	8.19	8.08	8.13
Total Horticultural Specialties	8.08	8.13	8.05
Ornamental Floral & Nursery	8.01	8.04	8.16
Food Crops Grown Under Cover	8.14	8.21	7.95
General Farm Primarily Crop	7.88	7.89	7.25
Agricultural Production/Livestock	7.97	7.86	7.72
Beef Cattle Feed Lots	8.34	7.86	8.32
Beef Cattle Except Feed Lots	8.40	8.27	7.74
Dairy Farms	8.29	8.15	8.15
Chicken Eggs	6.98	7.10	6.78
Turkey & Turkey Eggs	7.81	7.81	6.87
Other Livestock	7.98	7.98	8.44
Total Agricultural Services	8.43	8.39	8.49
Soil Preparation Services	8.61	8.49	8.83
Crop Services	8.71	8.58	8.59
Plant Cultivate & Protection	8.45	8.36	8.64
Harvest Primarily by Machine	8.51	8.59	8.42
Preparation Services for Market	8.02	7.99	8.27
Cotton Ginning	9.87	9.39	9.02
Total Farm Labor & Management	7.99	8.09	8.05
Farm Labor Contractors	7.77	7.85	7.73
Farm Management Services	8.21	8.33	8.37

CENTRAL COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers
(In Thousands)

Industry	Aug 2000	Jul 2000	Aug 1999
Total Agriculture	67.7	63.3	71.9
Total Agricultural Production/Crops	37.4	35.1	41.7
Cash Grains	0.0	0.0	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.0
Field Crops Except Grains	0.3	1.2	0.2
Cotton	0.0	0.0	0.0
Other Field Crops	0.3	1.2	0.2
Vegetables and Melons	11.7	9.4	16.1
Total Fruits and Tree Nuts	13.3	12.4	13.6
Berries	7.4	7.9	11.3
Grapes	2.7	2.1	1.1
Tree Nuts	0.1	0.1	0.2
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	0.2	0.2	0.8
Other Fruits & Nuts	2.9	2.1	0.2
Total Horticultural Specialties	9.1	9.3	9.0
Ornamental Floral & Nursery	7.0	9.0	6.9
Food Crops Grown Under Cover	2.1	0.3	2.1
General Farm Primarily Crop	3.0	2.8	2.8
Agricultural Production/Livestock	0.5	0.1	0.9
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.4	0.0	0.3
Dairy Farms	0.0	0.0	0.1
Chicken Eggs	0.0	0.0	0.1
Turkey & Turkey Eggs	0.0	0.0	0.1
Other Livestock	0.1	0.1	0.3
Total Agricultural Services	29.8	28.1	29.3
Soil Preparation Services	0.0	0.1	0.3
Crop Services	11.1	9.4	10.8
Plant Cultivate & Protection	0.1	0.4	0.8
Harvest Primarily by Machine	2.9	0.2	2.2
Preparation Services for Market	8.1	8.8	7.8
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	18.7	18.6	18.2
Farm Labor Contractors	14.8	16.8	16.7
Farm Management Services	3.9	1.8	1.5

na = not available

Average Hourly Earnings
(In dollars per hour)

Industry	Aug 2000	Jul 2000	Aug 1999
Total Agriculture	8.24	8.14	8.03
Total Agricultural Production/Crops	8.15	8.15	8.00
Cash Grains	na	na	na
Rice	na	na	na
Other Cash Grains	na	na	na
Field Crops Except Grains	8.00	7.90	8.33
Cotton	na	na	na
Other Field Crops	8.00	7.90	8.33
Vegetables and Melons	8.04	7.99	8.44
Total Fruits and Tree Nuts	8.39	8.27	8.25
Berries	8.52	8.63	8.25
Grapes	7.76	7.64	na
Tree Nuts	8.75	8.64	7.82
Citrus Fruits	na	na	na
Deciduous Tree Fruit	8.15	8.20	8.13
Other Fruits & Nuts	8.78	8.26	8.79
Total Horticultural Specialties	8.30	8.48	8.30
Ornamental Floral & Nursery	8.27	8.64	8.37
Food Crops Grown Under Cover	8.32	8.32	8.23
General Farm Primarily Crop	8.00	8.09	6.66
Agricultural Production/Livestock	8.12	8.00	7.65
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	8.28	na	7.74
Dairy Farms	na	na	8.15
Chicken Eggs	na	na	6.78
Turkey & Turkey Eggs	na	na	6.75
Other Livestock	7.96	8.00	8.84
Total Agricultural Services	8.45	8.27	8.44
Soil Preparation Services	na	8.25	8.24
Crop Services	8.60	8.40	8.81
Plant Cultivate & Protection	8.10	7.82	8.38
Harvest Primarily by Machine	9.07	8.87	9.30
Preparation Services for Market	8.64	8.50	8.76
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.29	8.15	8.27
Farm Labor Contractors	7.90	7.81	8.04
Farm Management Services	8.68	8.49	8.50

DESERT AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Aug 2000	Jul 2000	Aug 1999
Total Agriculture	25.1	35.2	27.5
Total Agricultural Production/Crops	8.7	13.9	9.6
Cash Grains	0.0	0.0	0.2
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.2
Field Crops Except Grains	2.5	1.9	1.6
Cotton	0.2	0.0	0.0
Other Field Crops	2.3	1.9	1.6
Vegetables and Melons	1.9	3.6	2.2
Total Fruits and Tree Nuts	2.7	7.3	2.5
Berries	0.0	0.0	0.1
Grapes	0.2	2.4	0.7
Tree Nuts	0.3	0.5	0.2
Citrus Fruits	0.1	0.8	0.7
Deciduous Tree Fruit	0.0	0.0	0.1
Other Fruits & Nuts	2.1	3.6	0.7
Total Horticultural Specialties	0.0	0.2	1.5
Ornamental Floral & Nursery	0.0	0.2	1.4
Food Crops Grown Under Cover	0.0	0.0	0.1
General Farm Primarily Crop	1.6	0.9	1.6
Agricultural Production/Livestock	5.2	4.0	5.9
Beef Cattle Feed Lots	0.4	0.0	0.8
Beef Cattle Except Feed Lots	0.5	0.0	0.5
Dairy Farms	2.7	2.6	2.8
Chicken Eggs	1.2	1.0	1.2
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.4	0.4	0.6
Total Agricultural Services	11.2	17.3	12.0
Soil Preparation Services	0.0	0.8	0.2
Crop Services	3.1	4.3	4.0
Plant Cultivate & Protection	0.0	0.3	0.5
Harvest Primarily by Machine	0.6	0.7	1.5
Preparation Services for Market	2.5	3.2	1.9
Cotton Ginning	0.0	0.1	0.1
Total Farm Labor & Management	8.1	12.2	7.8
Farm Labor Contractors	7.4	9.5	7.0
Farm Management Services	0.7	2.7	0.8

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	Aug 2000	Jul 2000	Aug 1999
Total Agriculture	7.87	8.03	8.07
Total Agricultural Production/Crops	7.76	7.78	7.84
Cash Grains	na	na	8.01
Rice	na	na	na
Other Cash Grains	na	na	8.01
Field Crops Except Grains	8.02	7.86	8.80
Cotton	8.33	na	na
Other Field Crops	7.70	7.86	8.80
Vegetables and Melons	7.78	7.90	7.62
Total Fruits and Tree Nuts	7.81	7.61	7.82
Berries	na	na	8.22
Grapes	7.93	7.55	7.27
Tree Nuts	7.38	7.10	7.73
Citrus Fruits	7.50	7.50	7.88
Deciduous Tree Fruit	na	na	7.39
Other Fruits & Nuts	8.43	8.27	8.44
Total Horticultural Specialties	na	7.81	8.25
Ornamental Floral & Nursery	na	7.81	8.50
Food Crops Grown Under Cover	na	na	8.00
General Farm Primarily Crop	7.45	7.70	6.53
Agricultural Production/Livestock	7.80	7.94	7.69
Beef Cattle Feed Lots	7.80	na	7.45
Beef Cattle Except Feed Lots	na	na	na
Dairy Farms	8.24	8.57	8.19
Chicken Eggs	7.14	7.26	6.87
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.02	7.98	8.25
Total Agricultural Services	8.06	8.39	8.68
Soil Preparation Services	na	8.49	9.72
Crop Services	7.98	8.46	8.30
Plant Cultivate & Protection	na	8.27	8.99
Harvest Primarily by Machine	8.15	8.67	7.88
Preparation Services for Market	7.81	7.83	7.95
Cotton Ginning	na	9.06	8.36
Total Farm Labor & Management	8.13	8.22	8.01
Farm Labor Contractors	8.26	8.23	7.97
Farm Management Services	8.00	8.21	8.05

NORTH COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers
(In Thousands)

Average Hourly Earnings
(In dollars per hour)

Industry	Aug 2000	Jul 2000	Aug 1999
Total Agriculture	17.4	18.3	18.2
Total Agricultural Production/Crops	12.1	13.8	12.6
Cash Grains	0.0	0.0	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.0
Field Crops Except Grains	0.0	0.0	0.0
Cotton	0.0	0.0	0.0
Other Field Crops	0.0	0.0	0.0
Vegetables and Melons	3.3	2.1	0.3
Total Fruits and Tree Nuts	7.9	8.5	10.4
Berries	0.0	0.0	0.1
Grapes	5.6	6.7	8.1
Tree Nuts	0.0	0.3	0.1
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	2.0	0.7	1.9
Other Fruits & Nuts	0.3	0.8	0.2
Total Horticultural Specialties	0.8	1.4	1.6
Ornamental Floral & Nursery	0.8	1.4	1.4
Food Crops Grown Under Cover	0.0	0.0	0.2
General Farm Primarily Crop	0.1	1.8	0.3
Agricultural Production/Livestock	1.3	1.3	1.8
Beef Cattle Feed Lots	0.0	0.0	0.1
Beef Cattle Except Feed Lots	0.3	0.3	0.2
Dairy Farms	0.7	0.5	1.0
Chicken Eggs	0.0	0.0	0.1
Turkey & Turkey Eggs	0.0	0.0	0.1
Other Livestock	0.3	0.5	0.3
Total Agricultural Services	4.0	3.2	3.8
Soil Preparation Services	0.0	0.0	0.1
Crop Services	0.0	0.0	0.9
Plant Cultivate & Protection	0.0	0.0	0.0
Harvest Primarily by Machine	0.0	0.0	0.0
Preparation Services for Market	0.0	0.0	0.9
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	4.0	3.2	2.8
Farm Labor Contractors	0.2	0.6	1.1
Farm Management Services	3.8	2.6	1.7

Industry	Aug 2000	Jul 2000	Aug 1999
Total Agriculture	8.29	8.21	8.32
Total Agricultural Production/Crops	8.39	8.32	8.45
Cash Grains	na	na	na
Rice	na	na	na
Other Cash Grains	na	na	na
Field Crops Except Grains	na	na	na
Cotton	na	na	na
Other Field Crops	na	na	na
Vegetables and Melons	8.47	8.53	9.33
Total Fruits and Tree Nuts	8.50	8.40	8.13
Berries	na	na	8.22
Grapes	8.79	8.54	8.57
Tree Nuts	na	8.55	7.81
Citrus Fruits	na	na	na
Deciduous Tree Fruit	8.49	8.28	8.22
Other Fruits & Nuts	8.21	8.24	7.82
Total Horticultural Specialties	8.60	8.29	8.18
Ornamental Floral & Nursery	8.60	8.29	8.70
Food Crops Grown Under Cover	na	na	7.66
General Farm Primarily Crop	8.00	8.06	8.17
Agricultural Production/Livestock	8.09	7.84	7.65
Beef Cattle Feed Lots	na	na	8.05
Beef Cattle Except Feed Lots	8.28	8.14	7.50
Dairy Farms	8.38	7.75	7.91
Chicken Eggs	na	na	7.26
Turkey & Turkey Eggs	na	na	7.10
Other Livestock	7.62	7.62	8.10
Total Agricultural Services	8.37	8.48	8.86
Soil Preparation Services	na	na	9.05
Crop Services	na	na	8.55
Plant Cultivate & Protection	na	na	na
Harvest Primarily by Machine	na	na	na
Preparation Services for Market	na	na	8.55
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.37	8.48	8.99
Farm Labor Contractors	7.92	7.95	8.55
Farm Management Services	8.82	9.01	9.42

na = not available

SOUTH COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers
(In Thousands)

Average Hourly Earnings
(In dollars per hour)

Industry	Aug 2000	Jul 2000	Aug 1999
Total Agriculture	65.5	62.3	62.1
Total Agricultural Production/Crops	45.4	42.3	41.9
Cash Grains	0.0	0.1	0.2
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.1	0.2
Field Crops Except Grains	2.7	2.2	0.4
Cotton	0.0	0.0	0.1
Other Field Crops	2.7	2.2	0.4
Vegetables and Melons	10.4	9.4	8.8
Total Fruits and Tree Nuts	12.6	13.9	11.4
Berries	9.6	7.2	5.8
Grapes	0.5	0.6	1.9
Tree Nuts	0.0	0.1	0.1
Citrus Fruits	0.6	1.5	1.7
Deciduous Tree Fruit	0.2	0.0	0.2
Other Fruits & Nuts	1.7	4.5	1.7
Total Horticultural Specialties	18.0	14.5	17.0
Ornamental Floral & Nursery	17.1	13.6	16.2
Food Crops Grown Under Cover	0.9	0.9	0.8
General Farm Primarily Crop	1.7	2.2	4.1
Agricultural Production/Livestock	1.0	2.3	2.0
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.2	0.1	0.4
Dairy Farms	0.0	0.4	0.2
Chicken Eggs	0.1	0.0	0.4
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.7	1.8	1.0
Total Agricultural Services	19.1	17.7	18.2
Soil Preparation Services	0.1	0.0	0.1
Crop Services	1.3	2.4	3.6
Plant Cultivate & Protection	0.3	0.4	0.6
Harvest Primarily by Machine	0.0	0.0	1.0
Preparation Services for Market	1.0	2.0	2.0
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	17.7	15.3	14.5
Farm Labor Contractors	16.0	14.3	13.2
Farm Management Services	1.7	1.0	1.3

Industry	Aug 2000	Jul 2000	Aug 1999
Total Agriculture	8.06	8.19	8.04
Total Agricultural Production/Crops	8.11	8.22	7.70
Cash Grains	na	8.34	7.89
Rice	na	na	na
Other Cash Grains	na	8.34	7.89
Field Crops Except Grains	8.18	8.29	7.82
Cotton	na	na	7.48
Other Field Crops	8.18	8.29	8.15
Vegetables and Melons	7.93	8.06	8.48
Total Fruits and Tree Nuts	7.93	8.10	7.50
Berries	7.90	8.08	7.13
Grapes	7.87	8.09	7.00
Tree Nuts	na	7.50	7.75
Citrus Fruits	8.10	8.35	7.75
Deciduous Tree Fruit	7.48	na	7.25
Other Fruits & Nuts	8.28	8.47	8.10
Total Horticultural Specialties	8.11	8.25	7.73
Ornamental Floral & Nursery	7.75	8.02	8.20
Food Crops Grown Under Cover	8.47	8.47	7.25
General Farm Primarily Crop	8.40	8.27	6.77
Agricultural Production/Livestock	7.85	8.35	7.96
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	8.48	8.65	7.63
Dairy Farms	na	8.32	8.43
Chicken Eggs	7.00	na	6.11
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.06	8.08	9.67
Total Agricultural Services	8.21	8.02	8.46
Soil Preparation Services	8.71	na	9.21
Crop Services	8.18	8.21	8.16
Plant Cultivate & Protection	8.63	8.66	8.64
Harvest Primarily by Machine	na	na	7.75
Preparation Services for Market	7.73	7.75	8.08
Cotton Ginning	na	na	na
Total Farm Labor & Management	7.74	7.83	8.01
Farm Labor Contractors	7.84	7.95	7.70
Farm Management Services	7.64	7.71	8.32

na = not available

SAN JOAQUIN AGRICULTURAL EMPLOYMENT

Wage and Salary Workers
(In Thousands)

Average Hourly Earnings
(In dollars per hour)

Industry	Aug 2000	Jul 2000	Aug 1999
Total Agriculture	257.9	238.0	257.0
Total Agricultural Production/Crops	100.9	87.4	98.8
Cash Grains	0.2	0.1	0.4
Rice	0.1	0.0	0.1
Other Cash Grains	0.1	0.1	0.3
Field Crops Except Grains	9.9	12.5	9.7
Cotton	5.5	8.8	7.0
Other Field Crops	4.4	3.7	2.7
Vegetables and Melons	16.6	14.9	8.0
Total Fruits and Tree Nuts	55.8	37.5	59.4
Berries	0.0	0.0	0.1
Grapes	32.8	19.2	32.4
Tree Nuts	1.7	2.0	5.6
Citrus Fruits	2.4	2.0	2.2
Deciduous Tree Fruit	13.1	8.2	13.3
Other Fruits & Nuts	5.8	6.1	5.8
Total Horticultural Specialties	2.7	10.7	4.7
Ornamental Floral & Nursery	1.7	10.5	4.7
Food Crops Grown Under Cover	1.0	0.2	0.2
General Farm Primarily Crop	15.7	11.7	16.6
Agricultural Production/Livestock	17.2	17.8	15.9
Beef Cattle Feed Lots	1.3	0.8	0.3
Beef Cattle Except Feed Lots	1.8	1.6	1.4
Dairy Farms	10.0	9.5	11.1
Chicken Eggs	0.9	1.0	0.6
Turkey & Turkey Eggs	0.5	0.6	0.7
Other Livestock	2.7	4.3	1.8
Total Agricultural Services	139.8	132.8	142.3
Soil Preparation Services	0.4	0.9	0.6
Crop Services	28.6	24.4	32.6
Plant Cultivate & Protection	3.6	1.1	4.5
Harvest Primarily by Machine	2.7	3.2	3.3
Preparation Services for Market	22.0	19.8	24.3
Cotton Ginning	0.3	0.3	0.5
Total Farm Labor & Management	110.8	107.5	109.1
Farm Labor Contractors	106.0	101.9	104.5
Farm Management Services	4.8	5.6	4.6

Industry	Aug 2000	Jul 2000	Aug 1999
Total Agriculture	8.00	7.99	7.83
Total Agricultural Production/Crops	7.69	7.63	7.58
Cash Grains	7.79	7.77	8.24
Rice	8.13	na	7.63
Other Cash Grains	7.44	7.77	8.85
Field Crops Except Grains	7.78	7.52	7.53
Cotton	7.66	7.51	6.97
Other Field Crops	7.90	7.52	8.09
Vegetables and Melons	7.66	7.82	7.13
Total Fruits and Tree Nuts	7.44	7.35	7.46
Berries	na	na	6.35
Grapes	7.32	6.98	7.38
Tree Nuts	7.84	7.95	7.23
Citrus Fruits	7.49	7.43	8.54
Deciduous Tree Fruit	7.15	7.04	7.78
Other Fruits & Nuts	7.42	7.36	7.48
Total Horticultural Specialties	7.72	7.70	7.91
Ornamental Floral & Nursery	7.80	7.54	7.44
Food Crops Grown Under Cover	7.63	7.85	8.37
General Farm Primarily Crop	7.78	7.61	7.21
Agricultural Production/Livestock	8.03	7.95	7.85
Beef Cattle Feed Lots	8.04	7.86	8.75
Beef Cattle Except Feed Lots	8.54	8.36	7.93
Dairy Farms	8.53	8.35	8.71
Chicken Eggs	6.80	6.93	6.86
Turkey & Turkey Eggs	7.81	7.81	6.75
Other Livestock	8.48	8.39	8.08
Total Agricultural Services	8.28	8.38	8.06
Soil Preparation Services	8.50	8.72	8.20
Crop Services	8.65	8.59	8.51
Plant Cultivate & Protection	8.64	8.59	8.18
Harvest Primarily by Machine	8.53	8.54	8.72
Preparation Services for Market	7.55	7.51	7.48
Cotton Ginning	9.87	9.71	9.67
Total Farm Labor & Management	7.69	7.85	7.47
Farm Labor Contractors	7.36	7.44	7.05
Farm Management Services	8.02	8.25	7.89

na = not available

SACRAMENTO VALLEY AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Aug 2000	Jul 2000	Aug 1999
Total Agriculture	39.4	39.0	43.3
Total Agricultural Production/Crops	26.2	26.9	28.9
Cash Grains	2.0	3.1	1.9
Rice	1.4	1.6	1.4
Other Cash Grains	0.6	1.5	0.5
Field Crops Except Grains	1.8	3.1	1.4
Cotton	0.0	0.0	0.0
Other Field Crops	1.8	3.1	1.4
Vegetables and Melons	2.3	4.1	3.4
Total Fruits and Tree Nuts	12.0	10.5	13.8
Berries	0.0	0.0	0.0
Grapes	1.1	1.1	1.3
Tree Nuts	1.5	2.2	2.8
Citrus Fruits	0.0	0.0	0.1
Deciduous Tree Fruit	8.2	5.8	8.0
Other Fruits & Nuts	1.2	1.4	1.6
Total Horticultural Specialties	2.0	2.7	2.5
Ornamental Floral & Nursery	2.0	2.7	2.5
Food Crops Grown Under Cover	0.0	0.0	0.2
General Farm Primarily Crop	6.1	3.4	5.9
Agricultural Production/Livestock	1.3	1.2	2.2
Beef Cattle Feed Lots	0.3	0.0	0.1
Beef Cattle Except Feed Lots	0.0	0.3	0.7
Dairy Farms	0.1	0.3	0.7
Chicken Eggs	0.0	0.0	0.0
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.9	0.6	0.7
Total Agricultural Services	11.9	10.9	12.2
Soil Preparation Services	0.0	0.0	0.1
Crop Services	3.7	3.7	4.2
Plant Cultivate & Protection	0.3	1.5	0.6
Harvest Primarily by Machine	0.8	0.3	0.6
Preparation Services for Market	2.6	1.9	3.0
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	8.2	7.2	7.9
Farm Labor Contractors	7.3	7.2	6.8
Farm Management Services	0.9	0.0	1.1

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	Aug 2000	Jul 2000	Aug 1999
Total Agriculture	8.07	7.93	8.13
Total Agricultural Production/Crops	7.86	7.89	8.07
Cash Grains	8.28	8.25	7.86
Rice	8.47	8.23	7.30
Other Cash Grains	8.09	8.27	8.42
Field Crops Except Grains	8.09	8.03	8.69
Cotton	na	na	na
Other Field Crops	8.09	8.03	8.69
Vegetables and Melons	7.75	7.63	7.86
Total Fruits and Tree Nuts	7.79	7.88	7.88
Berries	na	na	na
Grapes	7.68	8.24	7.85
Tree Nuts	8.01	8.05	7.44
Citrus Fruits	na	na	7.89
Deciduous Tree Fruit	7.43	7.32	8.06
Other Fruits & Nuts	8.04	7.89	8.16
Total Horticultural Specialties	7.64	7.94	7.96
Ornamental Floral & Nursery	7.64	7.94	7.75
Food Crops Grown Under Cover	na	na	8.16
General Farm Primarily Crop	7.63	7.62	8.15
Agricultural Production/Livestock	8.31	7.84	8.04
Beef Cattle Feed Lots	9.19	na	9.03
Beef Cattle Except Feed Lots	na	7.93	7.90
Dairy Farms	8.00	7.76	7.53
Chicken Eggs	na	na	na
Turkey & Turkey Eggs	na	na	na
Other Livestock	7.73	7.82	7.68
Total Agricultural Services	8.03	8.05	8.30
Soil Preparation Services	na	na	8.55
Crop Services	8.35	8.36	8.77
Plant Cultivate & Protection	8.41	8.45	9.03
Harvest Primarily by Machine	8.28	8.27	8.47
Preparation Services for Market	8.35	8.36	8.80
Cotton Ginning	na	na	na
Total Farm Labor & Management	7.71	7.74	7.58
Farm Labor Contractors	7.34	7.74	7.09
Farm Management Services	8.07	na	8.06

DATA NOTES

Data Sources:

These data are obtained from two sources: the Employment Development Department (EDD) Covered Employment and Wages (ES-202) data files and a monthly survey conducted by the California Agricultural Statistical Service (CASS) of the U.S. Department of Agriculture (USDA) and the Labor Market Information Division of EDD of 4,200 agricultural employers. The sample was selected to be representative of the state's agricultural employers by size, geographic location, and industry categories. Sample data are gathered for the survey week that includes the 12th calendar day of the month. All data in this bulletin represent activities taking place during this mid-month period. Same month prior year employment data are benchmarked to the ES-202 data files maintained by EDD.

Data Comments:

To aid in accurate usage and interpretation of the data, please note the following:

- **Agricultural Services employment survey data may be recalculated; historical trend information is used to adjust sample data when low response rates occur.**
- Regional data may show greater variability than statewide data because of small sample size and variable reporting patterns in specific industries.
- Current month regional estimates are based on the recorded addresses of owner-operators. Same month prior year regional data are based on worksite locations. Significant differences between regional current month and same month prior year data could result, although statewide totals might be comparable.
- Where data cannot be estimated because of inadequate sample reporting, the letters "na" have been entered into the field to indicate estimates are not available.
- Wage data include wages of supervisors and hired non-production workers (primarily administrative personnel). Piece rate data are also included where applicable.
- Fishing, forestry, and hunting industry data are not included in the Agricultural Services estimates. Unique seasonal industry patterns of employment make producing employment estimates for these industries problematic.
- Employment data do not include employers of unpaid family workers.
- Agricultural workers who are employed by farm labor contractors are reported in Agricultural Services under that industry category. Employment levels in Crop Production and Livestock Production do not reflect their activities in the associated industries that contract with the farm labor contractors.

Total agricultural employment and hourly earnings estimates in this bulletin are derived from the monthly Current Employment Statistics for Agriculture project. Estimates in this bulletin will differ from other agricultural estimates published by EDD and the USDA because of differences in the number of industries covered and in the definition of agricultural workers.

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